

Smad2 (Phospho-S250) polyclonal antibody

Catalog: BS94013

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Smad proteins, the mammalian homologs of the Drosophila mothers against decapentaplegic (Mad), have been implicated as downstream effectors of TGF β /BMP signaling. Smad1 (also designated Madr1 or JV4-1) and Smad5 are effectors of BMP-2 and BMP-4 function, while Smad2 (also designated Madr2 or JV18-1) and Smad3 are involved in TGF β and Activin-mediated growth modulation. Smad4 (also designated DPC4) has been shown to mediate all of the above activities through interaction with various Smad family members. Smad6 and Smad7 regulate the response to Activin/TGF β signaling by interfering with TGF β -mediated phosphorylation of other Smad proteins.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

58 kDa

Swiss-Prot:

Q15796(Human) Q62432(Mouse) O70436(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:2,000

FC:1:50-1:100

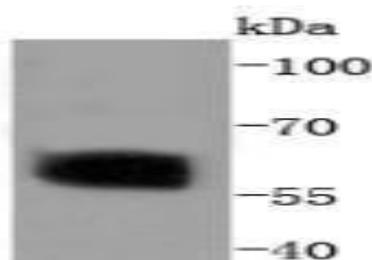
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

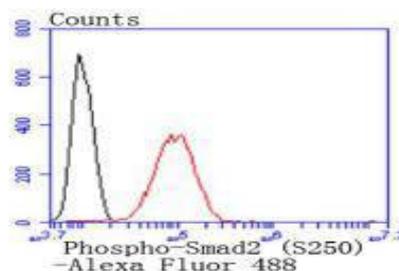
Specificity:

Smad2 (Phospho-S250) polyclonal antibody detects endogenous levels of Smad2 protein only when phosphorylated at S250.

DATA:



Western blot analysis of Phospho-Smad2 (S250) on HeLa cells lysates using anti-Phospho-Smad2 (S250) antibody at 1/1,000 dilution.



Flow cytometric analysis of HeLa cells with Phospho-Smad2 (S250) antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Note:

For research use only, not for use in diagnostic procedure.

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